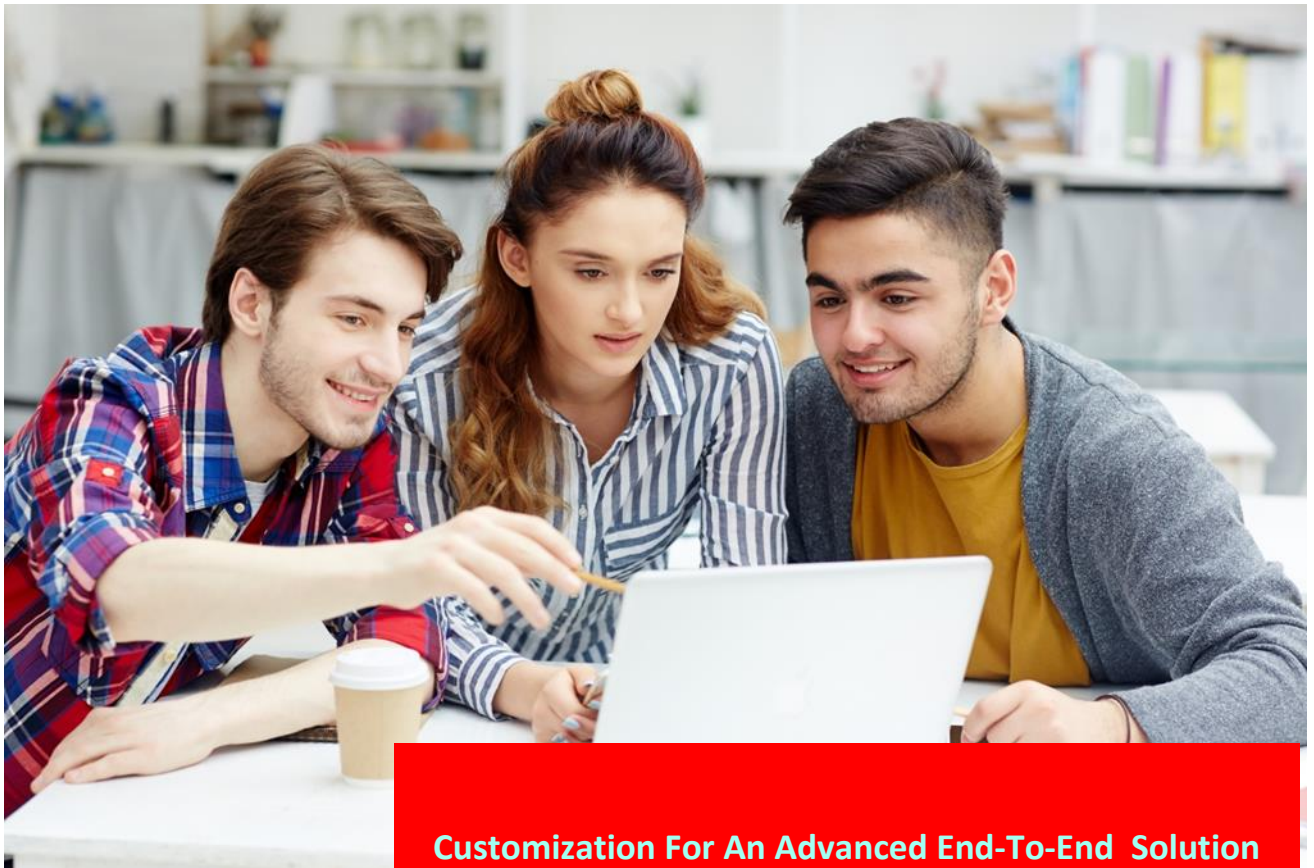College Management Solution

Seamless Customization of College Management Software for Managing a Higher Education Institute

KNS Institute of Technology (KNSIT) - Bangalore

Customization For An Advanced End-To-End Solution For A College

Introduction of the Project

K.N.S Institute of Technology established in the year 2001 by Sri C.K Jaffer Sharief, is one of the prestigious engineering institutes affiliated to Visvesvaraya Technological University, Belagavi. The institute offers 6 undergraduate courses including Artificial Intelligence and Machine Learning under its BE degree program. The college has a modern approach to imparting knowledge and managing the college.

To streamline the administrative process and boost productivity and efficiency in college management, KSNIT opted for an End-to-End solution to include key management areas in their college by adopting Campus360plus a college management software.

Campus360Plus is a highly integrated cloud-based college management solution specifically designed for higher education institutes to enable automating various manual tasks/processes from student admission to graduation. Campus360plus delivers management with intelligent data analytics for actionable insights and data-driven decision-making. It is modular enough to be customized and scaled up easily.

Some of the basic features of Campus360plus include:

- Over 50 modules such as Student module, Staff module, Class SMS module, Fee module, User area, and Configuration module.
- Modular treatment makes the application scalable and customizable.
- Streamlined admission management for enhanced student registration.
- Functionality to integrate in-campus facilities like college administration, accounts department, and hostel management.
- Ability to handle multiple campuses of the colleges.

However, in a bid to keep up with the changing needs of a forward-thinking institution by future-proofing Campus360Plus, more features have been included.

- Role-based access to Parents, Teachers, and Students to enable easy access and utilization.
- Mobile interface for Parents, Teachers, and Student access to enable mobility and convenience.
- Integration of a secure payment gateway to facilitate Online Fee Payment.
- Attendance management for both Staff members and students
- Calendar management

- Faculty schedule management and Assignment management option.

Industry: **Educational Institution**

Challenges

KNSIT adapted digitization of their administration function and planned to implement a solution that will meet the specific needs of their institution, this called for some customization of the Campus360Plus.
- Additional modules and features were needed to meet the new functional needs of the institution.
- KNSIT wanted to manage data access to each department/branch within the college.
- Need for capturing attendance period-wise and day-wise for attendance tracking and managing scholarship disbursement.
- Need to manage fee remittance of siblings through single-parent login for better payment tracking.
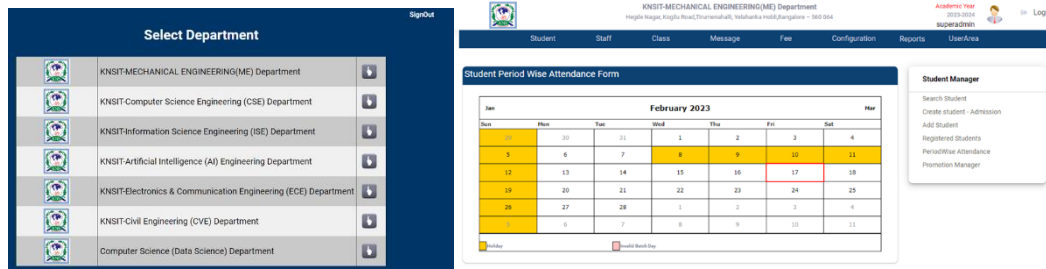- Need for customization in the reports, role definition, and attendance status.

Solution

The solution was customized to meet the requirements of the institution to be responsive on devices such as desktops and mobiles.
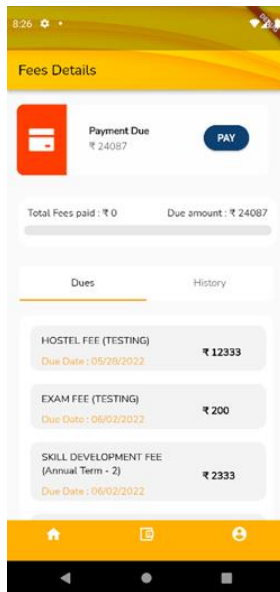The new feature was added to handle the following functionalities:

Web-application:
- Using Multiple college options to implement segregation of departments/branches within the college.
- Facility to switch students in parent login to schedule fee payment Parent Module
- Addition of USN number to each student and enable searching of students based on it.
- Option to generate a period-wise attendance report of all the students in the system.
- Inclusion of functionality to capture attendance, for students period-wise and for staff members day-wise
- Option to link new staff to departments Implementation of Staff and Subject mapping to class.
- Option to define multiple academic start and end dates.

Mobile interface

- Parents log in to enable the use of their smartphones to:
  - View details of fees amount, and due date
  - Switch students to schedule fee payments in case of siblings in the same college.
- Staff log-in to enable access to, Attendance, Reports, Staff module, and Class module**,**

Benefits

- Customisation of the solution enabled better utilization with faster and more efficient processing.
- Decision-making was made easier and faster due to data availability through customized reports accessible on any device.
- Going from less paper to paperless was an added advantage.
- Inclusion of a mobile interface enabled easier access and mobility.
- Customized to meet client's requirements and improve usability (ease of use)

Stories

NS and KNSIT teams had multiple joint sessions to understand the enhancements and customization needed to extend the applicability of Campus360Plus. A collaborative approach helped the NS team understand the changes and addition to the existing modules. Customized product complete with data was demoed to HODs of all the departments, Staff members, and the Principal of KNSIT. Workflow management and reporting in Campus360Plus were highly appreciated. KNSIT went live with Campus360 on 25th August.

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